**Index of Claims** 

| Application | /Control | No. |
|-------------|----------|-----|
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10/563,777

Examiner

Venkataraman Balasubramanian Applicant(s)/Patent under Reexamination

AUBART ET AL.

Art Unit

1624

| <b>√</b> | Rejected |
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| II       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| Ļ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
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| 0 | Objected |

| Cla          | aim      | Date   |  |              |  |              |  | Claim Date                                       |  |          |          |          |          |          |  | -               | Cla      | aim      | Date     |          |           |          |         |          |            |          |                 |          |                |   |          |                |                 |          |
|--------------|----------|--|--|--------------|--|--------------|--|--|--|----------|----------|----------|----------|----------|--|-----------------|----------|----------|----------|----------|-----------|----------|---------|----------|------------|----------|-----------------|----------|----------------|---|----------|----------------|-----------------|----------|
|              |          |  |  | П            |  |              |  | Π  |  | П        |          | Т        |          |          |  |                 |          |          | •        |          |           | $\neg$   |         |          |            |          |                 |          |                |   |          | $\Box$         | $\Box$          | $\Box$   |
| ल            | Original | 6  |  | l            |  |              |  |  |  |          | 7        | 3        | Original |          |  |                 |          |          |          |          |           |          | 1       | Final    | Original   |          |                 |          |                |   |          | ı              | Ιl              |          |
| Final        | ij       | 4/1/07   |  |              |  |              |  |  |  |          | 100      |          | ń        |          |  |                 |          |          |          |          |           |          |         | ᇤ        | 'n         |          |                 |          |                |   |          | ı              | Ιl              |          |
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| $\vdash$     | 1        | 1  | Т  | _            |  | _            |  | T  |  |          | _        | 十        | 51       |          | -  |                 |          |          |          |          | _         | ᅥ        |         |          | 101        |          | T               | $\neg$   |                |   | -        | П              | $\sqcap$        | $\Box$   |
| _            | 2        | ō  |  | -            |  | 1            | Н  | T  |  | П        | $\vdash$ |          | 52       | $\vdash$ | $\vdash$   |                 |          |          |          |          | $\dashv$  | ヿ        |         |          | 102        |          |                 | _        |                |   | _        | П              | П               |          |
| <del> </del> | 3        | V  | 1  | $\vdash$     |  | $\vdash$     | <del>                                     </del> | $\vdash$   | _  | Н        | $\vdash$ |          | 53       |          | $\vdash$   |                 |          | $\neg$   | _        | -        | $\dashv$  | 寸        |         |          | 103        |          |                 |          |                |   | _        | П              | 一               | П        |
|              | 4        | Ť  | $\vdash$   | $\vdash$     |  |              | $\vdash$   | 1  | $\vdash$   | Н        | $\vdash$ |          | 54       | _        | -  | _               |          | 一        | 一        | $\neg$   | 寸         | ヿ        |         |          | 104        |          |                 |          |                |   |          | П              | П               |          |
| $\vdash$     | 5        | $\vdash$   | Н  | ┢            |  | $\vdash$     | ┢  |  | -  | Н        | -        | 十        | 55       | $\vdash$ | ┢  |                 |          | $\dashv$ |          | $\neg$   | 寸         | $\neg$   |         |          | 105        |          | _               | $\neg$   | _              | _ | -        | П              | 口               |          |
| -            | 6        | <del>                                     </del> | ┪  | $\vdash$     |  | $\vdash$     | ┢  | -  |  | Н        | -        | +        | 56       |          | _  |                 |          | -        |          |          | _         | ヿ        |         |          | 106        |          | $\neg$          | $\dashv$ |                |   | _        | П              | 一               | $\Box$   |
| $\vdash$     | 7        | $\vdash$   | Н  | $\vdash$     |  | -            | <del>                                     </del> | 1  |  | Н        | _        |          | 57       | $\vdash$ | _  |                 |          | $\dashv$ |          |          | _         | ヿ        |         |          | 107        |          | $\neg$          | $\neg$   | $\equiv$       |   |          | П              | П               | П        |
| $\vdash$     | 8        | $\vdash$   |  | Г            |  |              | Ι  | T  | _  | П        |          |          | 58       | _        |  | _               |          |          |          | $\neg$   | 寸         | ╗        |         |          | 108        |          |                 |          |                |   | _        |                | 口               | П        |
|              | 9        |  |  | _            |  |              |  |  |  | Н        | -        | +        | 59       |          | _  |                 | П        | 一        |          | $\neg$   | $\neg$    | ╗        |         |          | 109        | _        | $\neg$          |          |                |   | -        | П              | 口               |          |
|              | 10       | $\vdash$   | Т  | $\vdash$     |  | _            | _  |  | _  | Н        |          | 十        | 60       | -        | $\vdash$   | _               | _        |          | _        | _        | _         | ヿ        |         |          | 110        |          |                 | $\neg$   |                | _ | -        | П              | П               | $\Box$   |
|              | 11       | $\vdash$   | H  | _            | $\vdash$   | <u> </u>     | $\vdash$   | П  |  | Н        |          |          | 61       |          |  |                 |          | $\neg$   |          | $\neg$   | $\neg$    | ┪        |         |          | 111        |          |                 |          |                | _ | _        |                | П               | П        |
|              | 12       | $\vdash$   | $\vdash$   | $\vdash$     |  | -            | ┢  |  |  | Н        | _        |          | 62       |          |  |                 |          |          | $\neg$   |          | $\neg$    | ヿ        |         |          | 112        |          | $\Box$          | $\dashv$ |                |   | -        | П              | П               | П        |
|              | 13       | <u> </u>   | H  | $\vdash$     |  | H            | <u> </u>   | H  | -  | Н        | -        |          | 63       |          |  |                 |          |          |          | _        | 寸         | ᅱ        |         |          | 113        |          |                 |          |                |   |          | П              | $\Box$          | П        |
| <b></b>      | 14       | $\vdash$   |  |              | $\vdash$   | _            | $\vdash$   |  |  | $\vdash$ |          |          | 64       |          |  | $\vdash$        | $\dashv$ | $\neg$   |          | $\dashv$ | $\dashv$  | ⊣        | -       |          | 114        |          |                 | _        |                |   | -        | $\vdash$       | $\sqcap$        | $\vdash$ |
|              | 15       | $\vdash$   | ┢  | $\vdash$     |  | $\vdash$     | $\vdash$   |  | $\vdash$   | $\vdash$ | $\vdash$ |          | 65       | $\vdash$ | <del>                                     </del> | $\vdash$        |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |         |          | 115        | $\vdash$ | $\vdash$        | $\dashv$ | -              |   | Н        | $\vdash$       | $\vdash$        | $\dashv$ |
| <u> </u>     | 16       | ┢  | -  | -            | -  | $\vdash$     | -  | ┢  |  | Н        | -        |          | 66       | _        | -  |                 |          | $\dashv$ | -        | -        | -         | ᅱ        |         |          | 116        |          | $\vdash$        |          |                |   |          | Н              | $\dashv$        | $\vdash$ |
| h            | 17       | $\vdash$   | H  | H            |  | $\vdash$     | $\vdash$   | 一  |  | Н        | $\vdash$ |          | 67       |          |  | Н               |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | ᅥ        |         |          | 117        |          | $\vdash$        | $\neg$   | -              | - | -        | М              | $\vdash$        | $\vdash$ |
| _            | 18       | $\vdash$   | $\vdash$   | $\vdash$     |  | $\vdash$     | $\vdash$   | 一  |  | Н        | $\vdash$ |          | 68       |          |  |                 |          | $\dashv$ | $\dashv$ | $\dashv$ | $\exists$ | ⊣        |         |          | 118        | _        |                 | $\neg$   |                |   |          | $\vdash$       | $\sqcap$        | $\dashv$ |
| -            | 19       | ╌  | ┢  | -            |  | -            |  | <del> </del>                                     | ⊢  | Н        | -        |          | 69       |          | -  | -               | -        | $\dashv$ | $\dashv$ |          | Ť         | ᅱ        |         |          | 119        |          |                 | $\neg$   |                |   |          | $\vdash$       | $\vdash$        | Н        |
|              | 20       | -  | <del>                                     </del> | -            | <del>                                     </del> | -            | ┢  | ┼  | -  | Н        | $\vdash$ |          | 70       | -        |  |                 | -        | $\neg$   | $\dashv$ | -        | $\dashv$  | ᅱ        |         |          | 120        | -        | $\dashv$        | -        | -              | _ | H        |                |                 | Н        |
|              | 21       | $\vdash$   | Н  | $\vdash$     | $\vdash$   | <del> </del> | ┢  | ╁╴   | -  | $\vdash$ | -        |          | 71       | _        | _  | -               | -        | -        | $\neg$   | -        |           | $\dashv$ |         |          | 121        | _        | $\vdash$        | $\dashv$ | _              | _ | $\vdash$ |                | $\vdash$        | Н        |
|              | 22       | -  | ┢  | -            |  | $\vdash$     | -  | ┢  | ┢╾   | Н        | $\vdash$ |          | 72       |          |  | ┝               |          | $\dashv$ |          | -        | -         | ᅱ        |         |          | 122        | -        |                 | $\dashv$ | -              |   | -        | Н              | $\vdash$        | Н        |
|              | 23       | ├-   | <del> </del>                                     | -            | $\vdash$   | ⊢            | ┢  | ╁  | -  | Н        | $\vdash$ | $\dashv$ | 73       |          | _  | -               | -        | $\dashv$ |          | -        | -         | ᅱ        |         |          | 123        |          |                 |          |                | _ | -        | $\vdash$       | $\vdash \vdash$ | Н        |
|              | 24       | ┥  | <del> </del>                                     | -            |  | <del> </del> | ┝╾   | H  | $\vdash$   | Н        | $\vdash$ |          | 74       | _        |  | -               | $\dashv$ |          |          | -        | -         | $\dashv$ |         |          | 124        | -        | -1              | -        | -              | _ |          | Н              | Н               | -        |
|              | 25       | $\vdash$   | ┢  | ┝            | 1  | -            | ┢  | H  | Н  | Н        | $\vdash$ |          | 75       |          | _  | $\vdash$        |          |          | $\neg$   | $\dashv$ |           | 一        | ĺ       |          | 125        |          | $\dashv$        | $\dashv$ |                | - |          | Н              | Н               | Н        |
|              | 26       | ├  | ┢  | -            | $\vdash$   | $\vdash$     | ┢  | ┢  | $\vdash$   | Н        | $\vdash$ |          | 76       | _        | _  |                 | -        |          | -        |          | -         | ᅥ        |         |          | 126        |          | $\vdash$        | -        | -              | _ | _        | $\vdash$       | $\vdash$        | $\vdash$ |
|              | 27       | ├  |  | $\vdash$     | $\vdash$   | $\vdash$     | ┢  | ┢  | ┢  | Н        | $\vdash$ |          | 77       |          |  | -               | $\vdash$ | _        | $\dashv$ | -        | -         | ᅱ        | - 1     |          | 127        | -        | $\dashv$        |          | _              |   | _        | $\vdash$       | $\vdash$        | -        |
| <del></del>  | 28       | ┝  | H  | -            |  | H            | -  | ╁  |  | Н        | $\vdash$ | +        | 78       | -        | -  | $\vdash$        |          | $\dashv$ | _        | $\dashv$ | $\dashv$  | ⊣        | - 2     |          | 128        | $\vdash$ | $\dashv$        | _        | -              | - | $\vdash$ | $\vdash$       | Н               | Н        |
|              | 29       | -  | -  | -            | $\vdash$   | $\vdash$     | -  | ╁  |  | Н        | -        |          | 79       | _        | _  | _               |          | -        | -        | -        | -         | ᅱ        | !<br>#1 |          | 129        | -        | $\dashv$        |          | _              | - | _        | $\vdash$       | $\vdash$        | $\vdash$ |
| $\vdash$     | 30       | -  | -  | $\vdash$     | <u> </u>   | -            | ┢  | ╁  | $\vdash$   | Н        | -        |          | 80       | _        |  | -               | -        | -        | -        | -        | -         | ᅴ        |         |          | 130        |          |                 |          | _              | _ | _        | $\vdash$       | $\vdash$        | Н        |
| $\vdash$     | 31       | ⊢  | H  | -            |  | -            | -  | ⊢  | H  | Н        | $\vdash$ |          | 81       | _        |  | $\vdash$        |          | $\dashv$ | $\dashv$ | -        | $\dashv$  | $\dashv$ |         | _        | 131        |          | $\vdash$        | -        |                |   |          | Н              | $\vdash$        |          |
|              | 32       | <del> </del>                                     | $\vdash$   | $\vdash$     | H  | ⊢            | -  | ╁  | -  | Н        | H        |          | 82       | _        | _  | $\vdash$        |          |          | -        | $\dashv$ | $\dashv$  | ႕        |         |          | 132        |          | $\vdash$        | -        |                |   |          | Н              | $\vdash$        | $\vdash$ |
| <u> </u>     | 33       | ├  | H  | $\vdash$     | -  | <del> </del> | ├  | ╁╌   | $\vdash$   | Н        | $\vdash$ |          | 83       |          | —  | $\vdash$        | $\vdash$ | $\dashv$ |          | -        | -         | $\dashv$ |         |          | 133        | -        |                 | -        |                |   |          | -              | -               |          |
| $\vdash$     | 34       | -  | -  | -            | $\vdash$   | -            | $\vdash$   | $\vdash$   | $\vdash$   | Н        | $\vdash$ | +        | 84       | -        | <del> </del>                                     | $\vdash$        | $\vdash$ | -        |          | -        | $\dashv$  | $\dashv$ |         |          | 134        | -        | $\vdash$        |          |                |   | _        | $\vdash$       | $\vdash$        | $\vdash$ |
| <u> </u>     | 35       | ├-   |  | ├            |  | ┢            | $\vdash$   | ┢  | $\vdash$   | Н        | $\vdash$ |          | 85       | $\vdash$ |  | -               |          | -        |          | $\dashv$ | $\dashv$  | $\dashv$ |         |          | 135        |          |                 | $\dashv$ |                | - | _        | $\vdash$       | ┌┤              | $\vdash$ |
| <u></u>      | 36       | $\vdash$   | -  | <del> </del> |  | -            | $\vdash$   | $\vdash$   | H  | Н        | $\vdash$ |          | 86       |          | -  | $\vdash$        | Н        |          |          | $\dashv$ | $\dashv$  | ᅱ        |         |          | 136        | $\vdash$ | $\vdash$        | -        | Н              |   | -        | = 6            | $\vdash$        | $\vdash$ |
| <del></del>  | 37       | $\vdash$   | $\vdash$   | $\vdash$     |  | ├            | -  | ╁  | $\vdash$   | $\vdash$ | $\vdash$ |          | 87       | $\vdash$ |  | -               | $\vdash$ | $\dashv$ |          |          | -+        | $\dashv$ |         |          | 137        | _        | $\vdash \vdash$ | $\dashv$ | $\vdash$       |   | $\vdash$ | $\vdash$       | $\vdash$        | $\vdash$ |
| -            | 38       | ⊢  | -  |              |  | ┝            | ├─   | <del>                                     </del> | <del>                                     </del> | $\vdash$ | $\vdash$ |          | 88       |          | ├  | $\vdash$        |          | -        | _        |          | $\dashv$  | $\dashv$ | -       |          | 138        |          | $\vdash$        | -        | -              |   |          | $\vdash$       | ┌╌┤             | $\vdash$ |
| <b>—</b>     | 39       | ⊢  | -  | $\vdash$     | <del>                                     </del> | -            | <del> </del>                                     | H  | H  | $\vdash$ | -        |          | 89       |          |  | -               |          |          |          | $\dashv$ |           | $\dashv$ |         | <u> </u> |            | $\vdash$ |                 | -        | $\vdash$       |   | <u> </u> | $\vdash$       | ┟┤              | $\vdash$ |
| $\vdash$     | 40       | ├  | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$   | -  | -  | Н        | -        | +        | 90       | $\vdash$ | <u> </u>   | -               | Н        |          |          |          | +         | $\dashv$ |         |          | 139<br>140 |          | $\vdash$        | -        |                |   | $\vdash$ | $\vdash\vdash$ | ⊢               | $\vdash$ |
|              |          | $\vdash$   | -  | $\vdash$     | -  | -            | ├  | -  | -  | $\vdash$ | -        | _        |          | $\vdash$ | $\vdash$   | -               |          | $\dashv$ | $\dashv$ | -        | -         |          |         |          |            |          | $\vdash\vdash$  | -        | $\vdash$       |   | $\vdash$ | $\vdash$       | $\vdash$        | Н        |
| <u> </u>     | 41       | ⊢  |  | ⊢            | $\vdash$   | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | Н        | $\vdash$ | +        | 91<br>92 | <u> </u> | -  |                 |          | _        |          |          | -         | $\dashv$ |         |          | 141        | -        | $\vdash$        | —        | _              |   | $\vdash$ | $\vdash$       | $\vdash$        | Н        |
|              | 43       | <del> </del>                                     |  |              | -  | <del> </del> | ├  | $\vdash$   | $\vdash$   | Н        | $\vdash$ |          |          | _        | _  |                 |          | _        | $\dashv$ | -        | +         | 닉        | - 1     |          |            |          | $\vdash$        | _        | Н              | _ | <u> </u> | $\vdash$       | $\vdash$        | Н        |
| <u> </u>     |          | ⊢  | -  |              |  |              | $\vdash$   | $\vdash$   | $\vdash$   | Н        | _        |          | 93       | $\vdash$ | <u> </u>   | $\vdash$        | -        |          |          |          |           |          |         |          | 143        |          | $\vdash$        |          |                |   | $\vdash$ |                | $\vdash$        | Н        |
| <u> </u>     | 44       | <u> </u>   | -  |              |  | -            | $\vdash$   | $\vdash$   | $\vdash$   | Н        | -        | +        | 94       | Ш        | <u> </u>   | $\vdash$        |          |          |          |          | -         | $\dashv$ |         |          | 144        | -        | $\vdash$        |          | $\vdash$       |   | $\vdash$ | $\vdash$       | Щ               | Н        |
|              | 45       |  |  | Ь.           |  | $\vdash$     | $\vdash$   | $\vdash$   | Н  | Ш        | -        |          | 95       |          | <u> </u>   | $\vdash$        | $\vdash$ | _        |          | _        | -         | _        |         |          | 145        | Щ        | $\dashv$        | _        | $\square$      |   | Щ        | $\vdash$       |                 |          |
|              | 46       |  | -  | -            | ļ  |              | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | -        |          | 96       | _        | <u> </u>   | $\vdash \dashv$ | $\dashv$ |          |          | _        | $\dashv$  | 4        | 8       |          | 146        | $\vdash$ | $\dashv$        | _        | $\blacksquare$ |   | $\vdash$ |                | $\vdash$        | Щ        |
| $\vdash$     | 47<br>48 | <del> </del>                                     |  | ļ            | $\vdash$   | <u> </u>     | <u> </u>   |  | $\vdash$   | $\vdash$ | -        |          | 97       | $\vdash$ | <u> </u>   | $\vdash\dashv$  | $\vdash$ |          |          | -        | $\dashv$  | -        |         |          | 147        | Н        | $\sqcup$        | _        |                | - | Н        | $\vdash$       | ┝╼┩             | Н        |
| <del> </del> |          | -  | $\vdash$   | <u> </u>     | -  | -            | $\vdash$   | $\vdash$   | $\vdash$   | H        | -        |          | 98       | <b> </b> | Н.   | Н               | $\dashv$ |          |          |          | $\dashv$  |          |         |          | 148        |          |                 |          |                | - | Щ        | $\vdash$       | ┟┷┥             | $\dashv$ |
| <u> </u>     | 49       | <del> </del>                                     | Н  |              |  |              |  | <del>                                     </del> | Н  | H        | -        |          | 99       | $\vdash$ | -  | Н               |          | _        | _        | l        | _         |          | ł       |          | 149        |          | _               | _        | Щ              |   | Щ        | $\vdash$       | ⊢⊢              | Ш        |
|              | 50       | L  |  |              |  |              | L.   |  |  |          | - 1      | - 1      | 100      |          |  |                 |          | - 1      |          |          | - 1       | - 1      | - 1     |          | 150        |          |                 |          |                |   |          | iΙ             | . 1             | i I      |